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ABSTRACT

The Delaware Occupational Teacher Education Consortium is comprised of three colleges: the University of Delaware, Delaware State College, and Delaware Technical and Community College. These schools established a joint program in 1972 for preparing and certifying industrial arts, trade, and industry teachers in B.S. and M.S. degree programs. The fields the students may specialize in are (1) energy and power mechanics, (2) electricity, (3) electronics, (4) construction, (5) graphic communications, and (6) materials and manufacturing processes. (A list of personnel and the budget for the program are included. The appendix lists members of the administering council and shows a model curriculum page.) (CD)

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DELAWARE OCCUPATIONAL TEACHER EDUCATION CONSORTIUM
AN ENTRY FOR THE
AMERICAN ASSOCIATION OF COLLEGES FOR TEACHER EDUCATION
DISTINGUISHED ACHIEVEMENT AWARDS PROGRAM
SUBMITTED BY
THE UNIVERSITY OF DELAWARE

Prepared By
Dr. John I. Matthews
Consortium Director and Chairman
Department of Occupational Education

December, 1975

U.S. DEPARTMENT OF HEALTH, EDUCATION & WELFARE
NATIONAL INSTITUTE OF EDUCATION

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Daniel C. Neale, Dean
College of Education
and Chief Institution Representative

Daniel C. Neale December 10, 1975

SP009 808

OCCUPATIONAL TEACHER EDUCATION CONSORTIUM
1976 DISTINGUISHED ACHIEVEMENT AWARDS PROGRAM
UNIVERSITY OF DELAWARE
SUMMARY

The Delaware Occupational Teacher Education Consortium has developed and implemented a unique design for preparation and certification of industrial arts and trade and industry teachers in a common degree program. It demonstrates the workability of a consortium of higher education institutions and the State Department of Public Instruction to develop innovative and economical teacher-education programs at all levels.

The Consortium programs feature in addition to IA and T&I programs:

1. Emphasis upon individualization of instruction, coordinated with statewide and local education agency goals for improving occupational education in general,
2. Coordination of undergraduate, graduate, and continuing education opportunities on a statewide basis,
3. Statewide Resource/Advisory Committee,
4. An inter-college cooperative M.S. degree program to coordinate graduate education in all occupational-education areas,
5. Coordination of all E.P.D.A.-F in-service education projects in the state for occupational education.
6. Statewide curriculum-development projects in conjunction with the V-TECS Consortium,
7. A pilot project in computer management of instruction,
8. Development of data bases, resources, and delivery systems,
9. Utilization of National Occupational Testing Institute to determine competency levels.

The Consortium operates under the auspices of the Augmented Council of Presidents and is monitored by the Coordinating Council on Teacher Education. It was authorized in 1972 with the director's office at the University of Delaware. Delaware State College and the Delaware Technical and Community College system are integral sister institutions, with DTCC providing technical course work and facilities at three locations over the four-year B.S. degree programs.

THE OCCUPATIONAL TEACHER EDUCATION CONSORTIUM

I. Description and Development of the Program:

The Delaware Occupational Teacher Education Consortium began in 1972 as an interinstitutional program to prepare teachers for industrial arts and trade and industrial teaching positions. Delaware was the last state without such a program even though it was the first state to join the Union. The Consortium became an entity established under the auspices of the Augmented Council of Presidents representing public higher education.

In June 1972 Dr. John I. Matthews was selected to direct the development and operation of the Consortium. Immediately upon establishment of the Consortium office in the College of Education of the University of Delaware in July, 1972, preparation for program and degree proposals was begun.

Using E.P.D.A. Part B-2 and Part F funds, programs and classes were started, primarily in areas of in-service education, while the B.S. degree proposals were being prepared. These provided assistance to non-standard certification T&I teachers in area Vocational/Technical Centers and high schools in the state.

The charge from the Augmented Council of Presidents to the Consortium Director was to gain approval at the three institutions for a B.S. degree in Occupational Teacher Education within three years. In-service education was to fill the gap in the interim, with thoughts of a graduate program at the University of Delaware to be developed if and when the University saw fit.

The B.S. Degree in Occupational Teacher Education: The B.S. degree proposal was prepared and reviewed by all institutional personnel concerned, and by committees in the Department of Professional Services, College of Education, University Undergraduate Committee, and the Faculty Senate at the University as well as Delaware State College. Unanimous approval was granted by the Faculty Senates in March, 1973, followed by Board of Trustee approval at the next meeting.

Approval at Delaware Technical and Community College involved only the use of its engineering technology programs as the integrated technical specialization for the degree. The State Department of Public Instruction through its Commission on Teacher Certification accepted the degree program as the NASDTEC "Approved Program."

The approved 127 S.Hr. D.S. degree program was designed to handle both IA and T&I students in the same degree program. Certification via the B.S. degree for T&I teachers required passing the National Occupational Competency Exam in the area to be taught as well as completion of the B.S. degree in lieu of the normal time of trade experience. Additionally, students were required to complete patterns in:

1.	General Studies	44 S.Hrs.
2.	Professional Teacher Education Studies	21 S.Hrs.
3.	Occupational and Clinical Practicum	6-14 S.Hrs.
4.	Technical Specialization	54 S.Hrs.*

The technical specialization required a major and a support area selected from the following or approved fields: 1) Energy & Power Mechanics, 2) Electricity/Electronics, 3) Construction, 4) Graphic Communications, and 5) Materials and Manufacturing Processes.

While in-service education programs were in operation during 1972-73, the B.S. degree program began operation in 1973-74. An undergraduate program coordinator was selected for each institution during the Spring, 1973. The legislature approved funding for each institution to operate the Consortium. Students were recruited and advised in both a major and support area. T&I non-degree and/or under-certified teachers were urged to immediately take the new certification classes. Faculty worked through the individual schools, normal admissions, and through the Division of Continuing Education. Clinical and occupational practicum experience were prescribed where needed.

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*Up to 24 S.Hrs. may be granted for passing the National Occupational Competency Exam at the beginning of the program.

The Master of Science Degree in Occupational Education: During the first semester of operation of the B.S. degree program, teachers in industrial arts, business, and distributive education urged the establishment of the M.S. degree at the University of Delaware. A committee was appointed by Daniel C. Neale, Dean, College of Education, to prepare a proposal to serve all vocational education teachers. The committee, with one representative each from the colleges of Education, Agriculture, Home Economics, Business and Economics, accepted the charge in late November, 1973.

A comprehensive M.S. degree program proposal was prepared for intercollege and university committee review. It contained a common core of professional course work, an option in one of the career areas, and electives. One could select either a thesis or non-thesis pattern of 30 S.Hrs. (minimum). In May, 1974, the University Faculty Senate unanimously approved the M.S. degree to begin with the Fall Semester of 1974. A coordinating committee with representation from each college involved was established to manage the degree.

The Department of Occupational Education and In-Service Education: During the 1974-76 academic years, the University programs expanded to include Certification program (60 S.Hr. T&I), A.S., B.S., and M.S. degrees, and statewide in-service education conferences, special classes, and programs. The faculty expanded and doctoral interns from Temple University were brought on to assist in special curriculum development areas. A statewide effort in individualizing strategies and curriculum designs was begun funded by P.P.D.A.-F.

The existing Department of Office Systems Administration was moved to the College of Education, merged with the Occupational Teacher Education, and renamed the Department of Occupational Education, effective July 1, 1975.

II. Objectives: To provide and promote,

A. certification programs for Trade and Industrial Education teachers.

B. flexible B.S. degree programs for industrial arts, T&I, and business ed.

C. graduate education and M.S. degree opportunities for all vocational teachers.

D. statewide in-service education services.

E. ongoing research and development in occupational education.

III. Personnel Involved:

A. University of Delaware

1. Dr. John I. Matthews, Consortium & Chairman, Dept. of Occ. Education
2. Dr. Robert B. Pyle, Undergraduate Coordinator - Industrial Education
3. Miss Patricia Shoff, Undergraduate Coordinator - Business Education
4. Dr. Nevin R. Frantz, Jr., Graduate Coordinator
5. Dr. Patricia C. Stetson, Coordinator of Occ. In-Service Ed., E.P.D.A. Coordinator, and V-TECS Project Director
6. Mr. Hugh Swogger, V-TECS Project Coordinator
7. Mr. Edward Boas, Research Associate - Computer Managed Instruction
8. Mr. Donald Manglass, Intern (ACTIONS & CAPE Project Coordinator)
9. Mr. James Warnick, Intern (V-TECS)
10. Mr. Darrell Weslander, Graduate Teaching Assistant
11. Miss Jo Ann Cox, Instructor
12. Dr. Jack Hulbert, Assistant Professor
13. Dr. James Morrison, Assistant Professor, Member, Graduate Committee
14. Miss Esther Washington, Instructor
15. Dr. Forest Zimpfer, Assistant Professor
16. Dr. Ralph Barwick, Assistant Dean, College of Ag., Member Grad. Com.
17. Dr. Mary Lou Liprie, Assistant Prof., Col. of Home Econ., Member, Graduate Committee

B. Delaware State College

1. Mr. Thomas Inter, Undergraduate Coordinator
2. Mr. Donald Vornholt, Instructor

C. Delaware Technical and Community College

1. Mr. G. Timothy Kavel, Coordinator

IV. Contribution to Improvement of Teacher Education:

These consortium and university programs have brought together under one structure a total comprehensive statewide program in Occupational Teacher Education. Pre-service and in-service needs, both undergraduate and graduate, are served by one coordinated body.

V. Evaluation Methods and Results:

Evaluation is an ongoing function of the Coordinating Council on Teacher Education made up of: Daniel C. Neale, Dean, College of Education, Theopholus McKinney,

Academic Dean, Delaware State College, Ruth Laws, Assistant to the President, Delaware Technical and Community College, and Randall Broyles, Assistant Superintendent of Public Instruction. The State Advisory Council on Career Education evaluates the impact of all programs in vocational education funded by federal money.

Evaluations have shown a definite acceptance of all programs operated by the Consortium. All are operated or performed in an outstanding and highly personal manner.

VI. Budgets: 1975-76

	University (Department)	University/State (Consortium)	Federal (Consortium)	Del.St. College	Del.Tec Com.Col
Administration, Faculty, and Staff	101,851	75,063	63,867	41,354	20,771
Travel including Consultants	1,400	2,800	6,000	2,400	1,200
Operating Expenses	7,000	5,037	12,401	3,646	3,029
Equipment and Library	5,000	900	-0-	2,800	1,000
Computer	2,000	200	-0-	400	-0-
	117,251	84,000	82,268	50,600	26,000

APPENDIX

MEMBERSHIP ON ADMINISTERING COUNCILS

Augmented Council of Presidents

Dr. E.A. Trabant, President, University of Delaware

Dr. Luna I. Mishoe, President, Delaware State College

Mr. Paul K. Weatherly, President, Delaware Technical and Community College

Dr. Kenneth Madden, Superintendent, State Department of Public Instruction

Dr. Donald Ross, President, Wilmington College

The Honorable Robert Reed, Secretary of State, State House, Dover, Delaware

Dr. L. Leon Campbell, Provost, University of Delaware

Coordinating Council on Teacher Education

Dr. Daniel C. Neale, Dean, College of Education, University of Delaware (Chairman)

Dr. Theopholus McKinney, Academic Dean, Delaware State College

Dr. Ruth Laws, Assistant to the President, Delaware Technical and Community College

Dr. Randall Broyles, Assistant Superintendent, State Department of Public Instruction

OCCUPATIONAL TEACHER EDUCATION - University of Delaware and DT&CC

BACCALAUREATE DEGREE CURRICULUM CHECK SHEET

Name:_____ SS #_____ Tel. #_____
(last) (first) (M.I.)

Date first entered:_____ Tech. Specialization_____ _____
(major) (minor)

Professional Advisor:_____ Tech. Advisor_____

Work Exp._____ Teach. Exp._____ Occupational Comp. Exam: _____ _____
(yrs.) (yrs.) (written) (perf.)

General Studies 44 S. Hrs.			Grade		Sem.
Area A	Communication Skills	(R= 9)	Del.	Trans.	
E110	Critical Reading & Writing	(3)			
Com251	Voice & Speech	(3)			
		(3)			
Area B	Hist. & Social Science	(R=12)	Del.	Trans.	
		(3)			
		(3)			
		(3)			
		(3)			
Area C	Nat. Sci. & Mathematics	(R=11)	Del.	Trans.	
M113	College Algebra	(3)			
C101	General Chemistry	(4)			
PS101	General Physics	(4)			
Area D	Humanities & Fine Arts	(R=12)	Del.	Trans.	
		(3)			
		(3)			
		(3)			
		(3)			

Professional Studies 21 S. Hrs.			Grade		Sem.
Humanistic & Behavioral Studies		(R= 6)	Del.	Trans.	
EDF 209	Psych. Found. of Ed.	(3)			
EDF 258 EDF 240	Soc. Found. of Ed. *or* Phil. Found. of Ed.	(3)			
Occup. Ed. Methods & Techniques		(R= 9)	Del.	Trans.	
EDP 450 EDP 563	Principles of Occ. Ed. *or* Intro. to Career Ed.	(3)			
EDP 380	Occ. Ed. Materials & App.	(3)			
EDP 354	Org. & Mgt. of Shops & Labs	(3)			
Occup. Ed. Practicum		(R= 6)	Del.	Trans.	
EDP 400 EDP 452	Student Teaching *or* Classroom Practicum	(6)			
Electives Non-Technical 8 S. Hrs.			Grade		Sem.
EDP 352	Occ. Practicum	(1-4)			
EDP 352	Occ. Practicum	(1-4)			
EDP 366	Clinical Practicum	(1-3)			

Technical Specialization 54 S. Hrs.			Grade		Sem.
Required			Del.	Trans.	
ME 246	Methods & Materials	(2.6)			
ED 144	Technical Draft. I *or*	(2.6)			
EG 121	Engineer Drawing	(3)			
EDP 350	Sch. Shop Sfty. & Hygiene	(3)			
Occupational Competency Exam		( )			
Major Area	46 Q. Cr. - 30 S. Hrs.		Del.	Trans.	
Supporting Area	24 Q. Cr. - 16 S. Hrs.		Del.	Trans.	

Minimum total required 73 S. Hrs. Total Earned _____ Minimum Total Required 54 S. Hrs. Total Earned_____
Grand Total Earned_____

DISTRIBUTION:
White - OTE file
Canary - Technical Advisor
Pink - Student
Gold - Associate Dean

NOTES:
1. Minimum of 127 S. Hrs. required for graduation.
2. Consult the Undergraduate Catalog for student teaching, certification and graduation requirements.
3. EDP352 Occupational Practicum, required when work experience is judged inadequate.
4. EDP366 Clinical Practicum required of pre-service teachers before student teaching.
5. The right to change information on this sheet is reserved.

C275

OCCUPATIONAL TEACHER EDUCATION - University of Delaware and DT&CC

NON-DEGREE APPLICATION FOR VOCATIONAL CERTIFICATION PROGRAM

Name:_____ SS #_____ Tel. # _____
(last) (first) (M.I.)

Home Address_____
(number, street, city, state, zip code)

Birthdate: _____ _____ _____ (Day Mo. Year)

Sex: ☐ M ☐ F

Citizenship: _____ (Country)

State of Residency: _____

Occupation or Trade: _____

Marital Status: ☐ Single ☐ Married

Military ☐ Active Duty ☐ Veteran

Student Status: ☐ Full Time ☐ Part-time ☐ Undergraduate ☐ Graduate

RECORD OF EDUCATION: Secondary, college or other post secondary

Name and Location of School	Major Program of Study	Diploma or Degree	Full or Part-time	Years Attended From To	Total No. of Years

TEACHING EXPERIENCE: Public and/or private school, military, or industry. If you have never taught, write N/A.

Name and Location of School	Subject(s) Taught	Dates	Total No. of Years

Occupational Competency Exam:

Date Taken_____ Place_____

Written Score_____ Perf. Score_____

Have you previously been evaluated for occupational competency?
Yes ☐ No ☐ If yes, what occupation?

_____

For Departmental Use:

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_____
(signature of applicant) (date)

Return this form to:
Occupational Teacher Education
College of Education
University of Delaware
Newark, DE 19711

* WHITE copy to OTE; CANARY to Department of Public Instruction; PINK to student.

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